generating computer 2, the time spatial parameters which are required at the time of image shooting and/or at the time of generating the computer graphics data are controlled in a batch as stored in the storage server 3, and/or recorded in the recording medium MD so as to enable for this time spatial parameters under the batch control readily to be used at the time of forming the parallax image string. Therefore, it is enabled automatically to set up the time spatial parameters for the image capture device 1 and/or the graphics image data generating computer 2, thereby eliminating the time-consuming operation required for the holographic stereogram producing device 10 to repeat setting-up of the time spatial parameters for respective components separately. Therefore, advantageously according to the holographic stereogram producing device 10, the parallax image string can be formed easily and quickly, enabling to produce the holographic stereogram in which a satisfactory and correct reproduced image free from the distortion and blurring can be obtained.

Further, it should be noted that the present invention is not limited to the exemplary embodiments described above. For example, although the viewing point conversion processing has been described by way of example where the parallax image data string D3 was formed by the re-centering method, the parallax image data string D3 may be formed by any other image capturing (shooting) method as well. As a matter of course, in this case, setting of the time spatial parameters will be made also by a different method other than that described above.

Although the invention has been described in its preferred form with a certain degree of particularity, obviously many changes, variations and combinations are possible therein. It is therefore to be understood that any modifications will be practiced otherwise than as specifically described herein without departing from the scope of the present invention.